



IMPOSA MONITOR SOFTWARE

User's Manual

Version Number: 1.0

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Version Log

[illegible]

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1. Introduction




1.1 Software Introduction

IMPOSA MONITOR is a software for pixel diagnosis. Characterized by high accuracy of detecting, vivid interfaces of operation, IMPOSA MONITOR is easy to manage. The following are general functions:

1. It can detect if there are defective pixels in LED display, can tell their colors and positions in each of the cabinets, and so on.
2. We can detect by manual operation the working status of each pixel in current LED display any time, and we can also set time to do pixel diagnosis on the screen automatically
3. We can check any time or save the result of detecting. A report can be generated by the software. The report can even be sent to a designated mailbox automatically.

1.2 General

IMPOSA MONITOR is composed of four parts, including [Main Menu](#), [Status](#), [Set Bar](#), and [Last Detect Time](#). Of the four parts, Set Bar consists of six parts; they are [Configuration](#), [Communication](#), [Scan & Detect](#), [Schedule](#), [E-Mail Setting](#), and [Log](#). The

whole interface is shown in Fig 1.1. If arrows in  are colored, the  means enter into next operation,  means back to the last operations. [Status](#)



shows whether the current system is **Good**  or **BAD** . The detailed functions will be introduced in the following sections.



FIG 1.1 IMPOSA MONITOR interface

2. System Platform and Installation

2.1 System platform


- Intel Pentium or Celeron MAX533 MHz central processor unit or compatible system and up
- RAM: 128 MB or more
- With USB port or parallel RS232 port
- 10/100 M Ethernet
- CD-ROM Driver
- Windows 2000,XP or Windows 2003
- Display Mode: 1024×768, 16 bit true color

2.2 Connection Device

LDU, IMPOSA™, cabinet photo sensor

The system must be connected with at least one IMPOSA™. If not, some functions of this software will not work

2.3 Installation and Start up

Startup, double click icon , or click IMPOSA MONITOR in \Program Files\Led control\IMPOSA MONITOR to start the software.

3. Software Interface and Operations




3.1 Imposa Monitor Interface

Once started up, the IMPOSA MONITOR will display an interface such as shown in FIG 3.1.



FIG 3.1 IMPOSA MONITOR Interface


3.1.1 Main Menu-Back and Next

 if arrow is colored, click  and enter into next step, while clicking  means getting back to the last step.

3.1.2 Status Bar

(1)



No defective LED. This status in the system is default status. If **Good**  is shown after detecting LED screen, there is not defective pixel in LED screen.

(2)



Defective LED detected. The system will return to this status after detecting of the LED screen is done, which means there are defective pixels in LED screen.

(3)



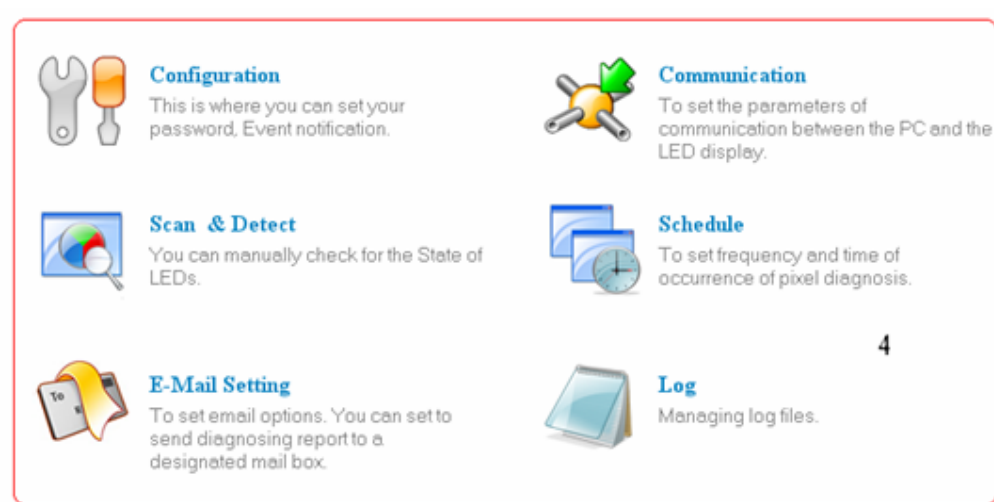
Communication Error! This status shows communication error. The user should check the connection between LDU and PC, and connection between main board and the screen.

3.1.3 Prompt Bar



shows the time when user detected the screen last.

3.1.4 Set Bar



Six parts are included in this bar. They are [Configuration](#)(set up the system), [Communication](#)(detection of communication), [Scan & Detect](#)(detection of defective pixel), [Schedule](#)(auto detecting at preset time), [E-Mail Setting](#)(to set parameters of mailbox),

[Log\(Save detection results\)](#)

3.2 Imposa Monitor Bar Operation

3.2.1 Configuration



Click [Configuration](#) in  **Configuration** This is where you can set your password, Event notification., an interface as shown in FIG 3.2 will pop up. We can set password of the software and choose between showing the state of defective pixels detected and not showing them in Status Bar. If any of the configuration is to be applied, please tick ☒ in ☐, and click **Apply**, or click **Cancel**. After ticking ☒ in ☐, it will pop out an interface as in FIG 3.3. Input a password of not more than 10 characters twice, click **OK**, and you will succeed in setting the password. Click **Cancel** or  to go back to the main interface

FIG 3.2 Configuration Interface

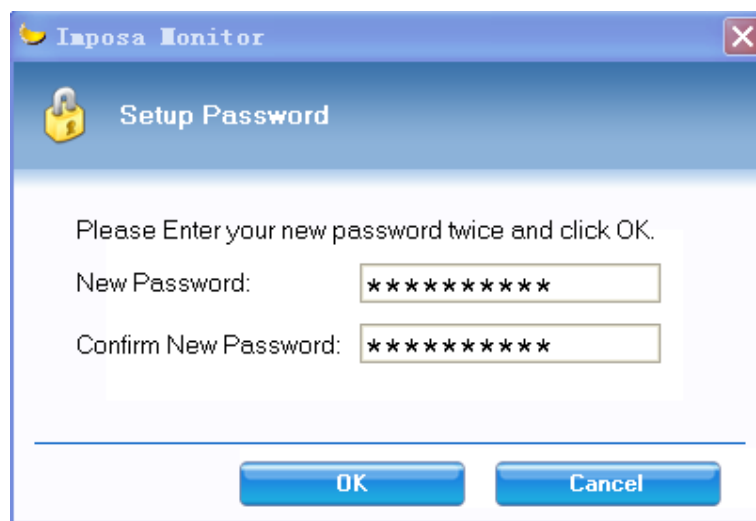





FIG 3.3 Password Setting Interface

3.2.2 Communication

Click [Communication](#) in  **Communication** To set the parameters of communication between the PC and the LED display., it will pop out an interface as shown in FIG 3.4. With this interface we can set the parameters of communication between computer and LED screen. If parameters were incorrect, it will show

Communication Error! after clicking . Then you it can not perform defective pixel diagnosis in LED screen. If parameters are set correctly, it will show success after clicking . This means you can detect now. Click

 or  to go back to main interface
Specific Parameters as following:

Communication Device

☐ Ethernet

☒ RS232/485

- 1.
2. Select Ethernet or RS232/485

Serial

COM:

Baud Rate:

- 3.
- Choices between COMs and Baud Rates

LDU Address

LDU Address:

4. Choices of LDU Address



FIG 3.4 Communication Parameters Setting Interface

3.2.3 Scan & Detect



Scan & Detect

You can manually check for the State of LEDs.

Click [Scan & Detect](#) in

and you will see Fig

3.5a and 3.5b. Through this configuration, we can carry out the defective pixel detection.



FIG 3.5 a. Defective Pixel Detection Interface (There is defective pixel in the cabinet)




FIG 3.5 b. Defective Pixel Detection Interface (There is no defective pixel in the cabinet)

Click  in FIG 3.5 to start the defective pixel detection function.



Finish Checking.

shows the detecting in progress. Click  to get the exact address of the defective pixel in each cabinet. As FIG 3.6 shows, click



or



to return to the main interface.

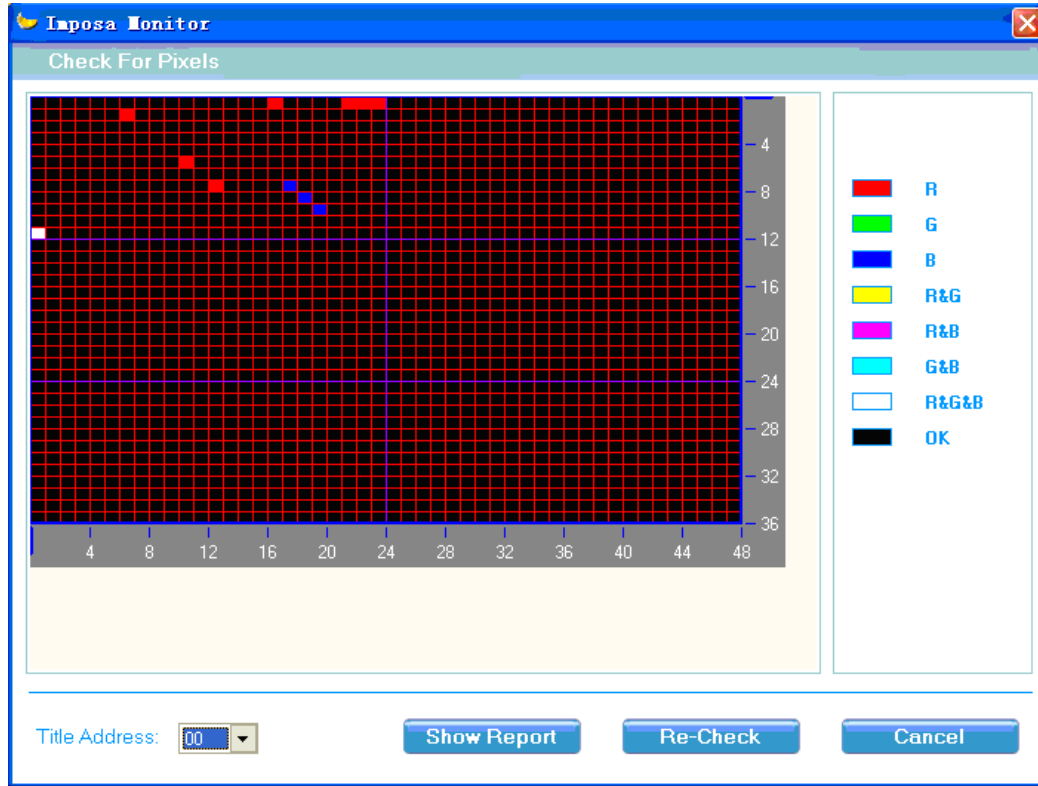





FIG 3.6 The exact address of the defective pixel

From FIG 3.6 you can observe the exact address of the tile with defective pixel as well as the color of the defective pixel and its coordinates in the tile.

 **R** means the red pixel is broken. The same is true with others. Press

 to recheck the pixels. Press  to make the pop up of a .TXT file, see FIG 3.7, it includes the information such as cabinet address and type, number of defective pixel, color of deflection and their coordinates and so on. Click

 to return to the defective pixel detecting interface. See FIG 3.5b.

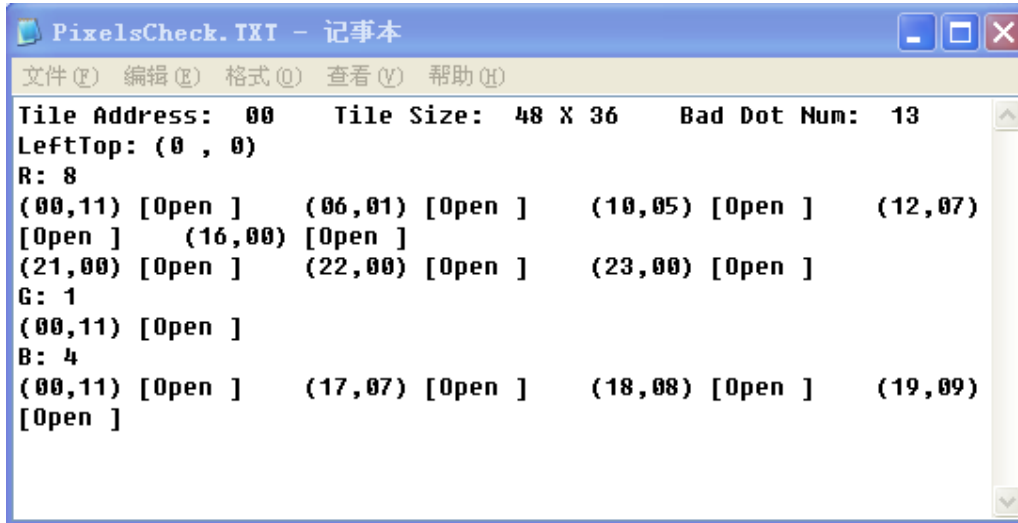


FIG 3.7 PixelsCheck.TXT Notepad

3.2.4 Schedule



Click [Schedule](#) in

to make the appearance of FIG 3.8.

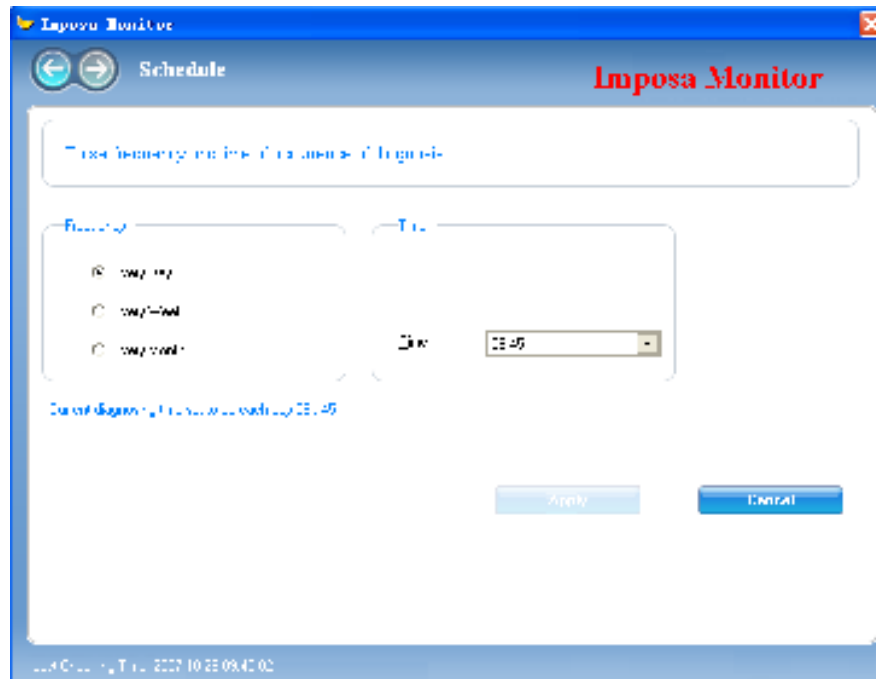


FIG 3.8 Auto Detecting Schedule Interface

The detecting frequency and time of the display can be set up. After detecting, the final result will be sent out to a designated mailbox. There are three conditions:

Frequency

☒ Every Day

☐ Every Week

☐ Every Month

Time

Time

11:00

11:00

11:15

11:30

11:45

12:00

12:15

12:30

12:45

Current diagnosing time set to be each day 09 : 45

(1)

Diagnose at a certain time in a certain day.

Frequency

☐ Every Day

☒ Every Week

☐ Every Month

Time

Every

Monday

Time

09:45

Current diagnosing time set to be each day 09 : 45

(2)

Diagnose at a certain time in a certain day of each week.

Frequency

☐ Every Day

☐ Every Week

☒ Every Month

Time

Date:

1

Time

09:45

Current diagnosing time set to be each day 09 : 45

(3)

Diagnose at a certain time in a certain day of each month.

After setting, click **Apply** to begin the apply function. Click



or to return to the main interface.

3.2.5 E-Mail Setting



E-Mail Setting

Defective pixel found out will be sent to the designated mailbox.

Press **E-Mail Setting** in and you will see FIG 3.9. The defective pixel found out will be sent to the designated mailbox.

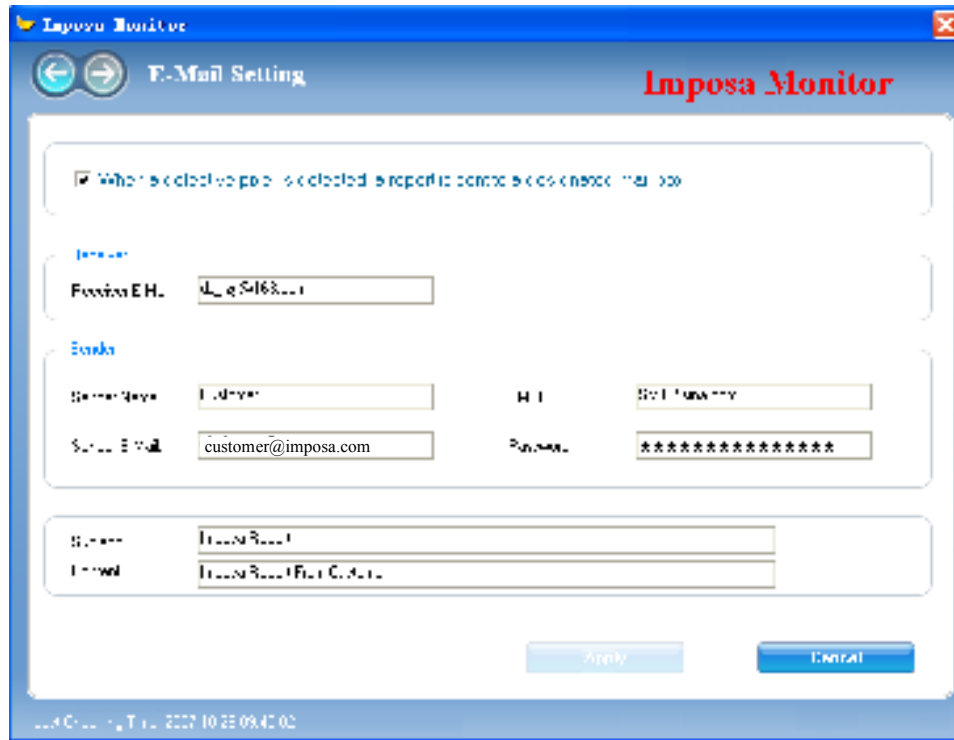





FIG 3.9 E-Mail Setting Dialogue Box

The dialogue box includes:

- (1) User's email address.
- (2) Sender's name, email address, SMTP and password.
- (3) The subject and content.

After setting, click  to begin the apply function. Click  or  to return to the main interface.

3.2.6 Log



Press **Log** in and there will appear an interface like FIG 3.10. Click

Browse in

Save Log Directory: C:\Documents and Settings\Administrator\桌面\Imposa Monitor(10-23)\LOG\ **Browse** .U

sers need to save the detecting report in the LOG address directory of installing directory.

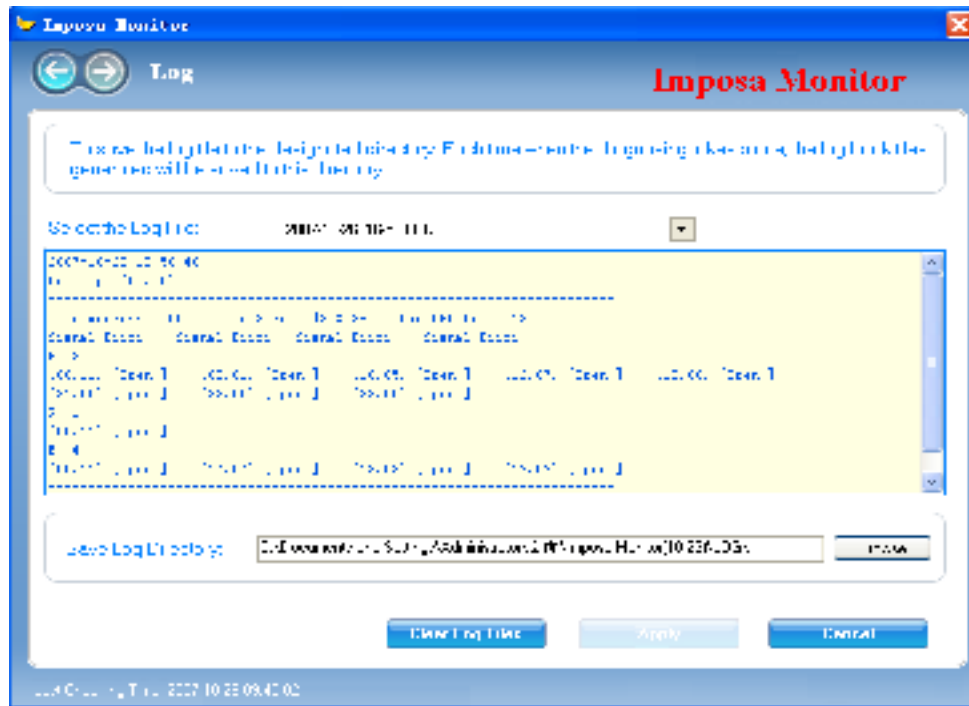


FIG 3.10 Detecting Log Dialogue Box

In FIG 3.10, click **Clear Log Files** to clear the Log files. After setting the saving

address of the log files, click **Apply** to begin the apply function. Click

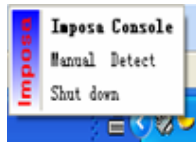
Cancel or to return to the main interface.


3.3 Imposa Monitor Exit and Other Operations

You can't exit the IMPOSA MONITOR software just by clicking the button in the dialogue box. The correct way is to click the symbol, with the right key of the mouse, on



which is at the right corner of the computer, and a menu



like will pop up. Click the shut down and a password verification dialogue box will show up. Input your password and press  to exit from the software.

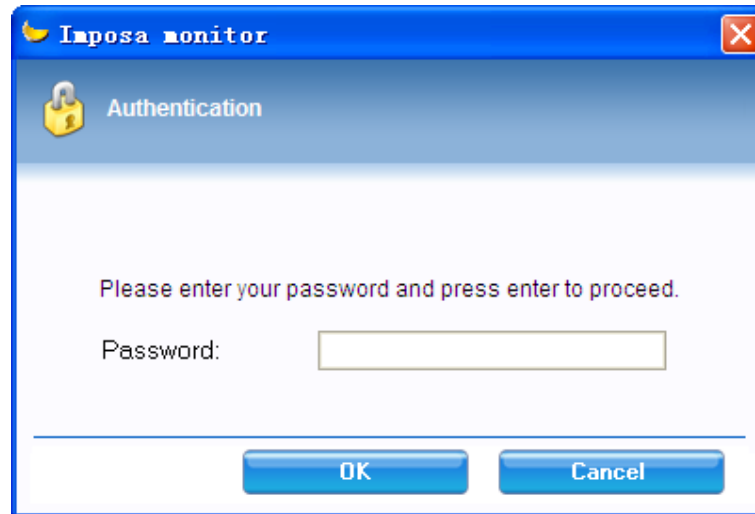



FIG 3.11 Password Verification Dialogue Box




Click **Imposa Console** in there will pop up a password verification dialogue window just as FIG 3.11. Input the password and press  to login onto the main control interface. See FIG 3.12.



Main Control Interface



Click **Manual Detect** in  to enter the pixel detecting window. As **FIG 3.13** shows. The operation for the window has been explained before.

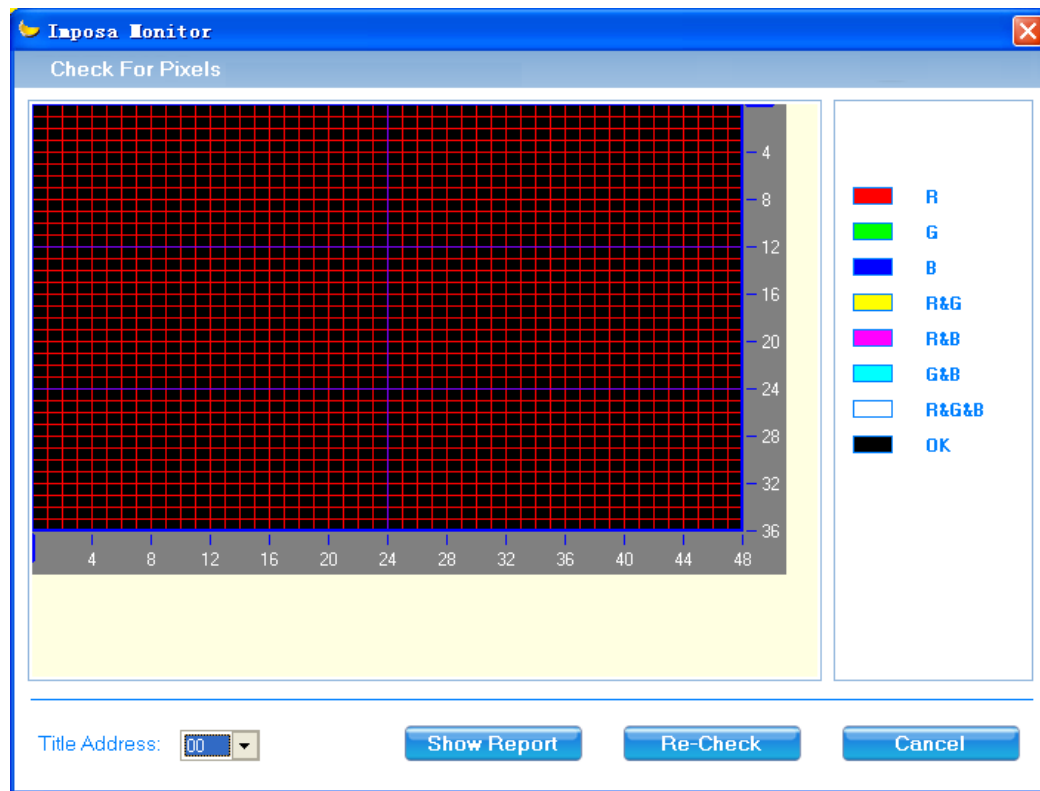


FIG 3.13 Pixel diagnosis window

That is all for the basic introduction to the IMPOSA MONITOR software. Now you can enjoy the function of getting to know which pixel is working fine or not.